PAT-NO: JP403166428A

DOCUMENT-IDENTIFIER: JP 03166428 A

TITLE: RAINDROP COLLECTING DEVICE

PUBN-DATE: July 18, 1991

INVENTOR-INFORMATION: NAME NAMIKI, YUTAKA KASAHARA, ISAO ONO, SHIGERU

ASSIGNEE-INFORMATION:

NAME COUNTRY
TAISEI CORP N/A

APPL-NO: JP01303635

APPL-DATE: November 22, 1989

INT-CL (IPC): E03B003/02, E04D011/00, E04D013/04

US-CL-CURRENT: 47/66.6, 405/57

ABSTRACT:

PURPOSE: To improve the raindrop collection efficiency by providing a specific space on the upper side of raindrop collection face connected to a raindrop collection pipe, arranging landscape prevention blocks with water penetration holes, and superposing a water penetration layer and earth layer on

the upper side of the landscape prevention blocks.

CONSTITUTION: When raindrops fall onto a raindrop collecting device 1,

06/09/2003, EAST Version: 1.03.0002

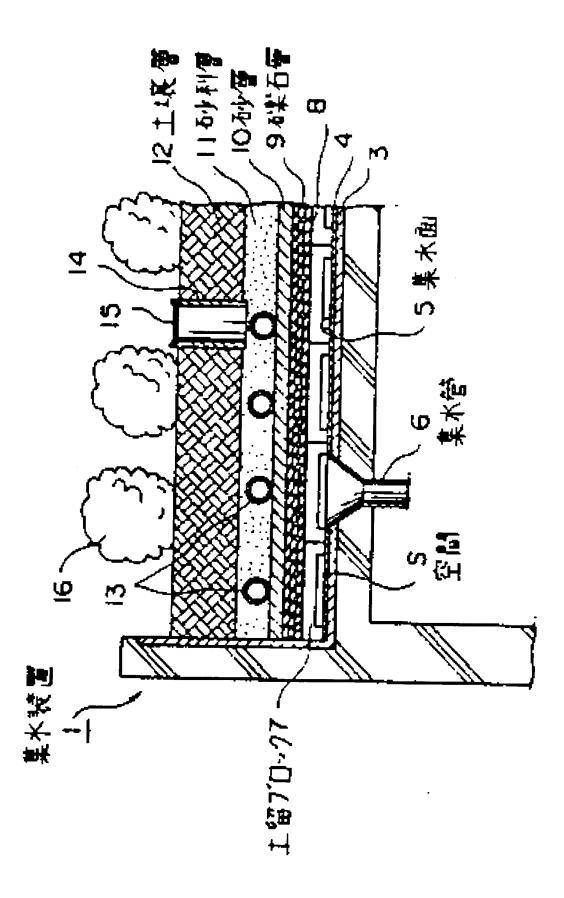
raindrops pass through an earth layer 12, gravel layer 11, sand layer 10, broken stone layer 9 while filtered therewith. Then they drop onto a raindrop collection face 5 via raindrop penetration holes of landscape prevention blocks
7 to flow in a space S and they are collected by a raindrop collection pipe sequentially. In the case of a heavy rain, the raindrop water is stored in the space S, while the water ramaind on the surface without entering into the sand layer 12 is flowed into a water leading pipe 14. It is then drained from the water collection pipe 6 via a pie with hole 13 after it has

layer 11 directly without passing the sand layer 12. It is thus possible to enhance the raindrop collection efficiency.

COPYRIGHT: (C) 1991, JPO&Japio

reached to a gravel

06/09/2003, EAST Version: 1.03.0002



06/09/2003, EAST Version: 1.03.0002